

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	758	(antenna near99 (conduct\$4 or connect\$4) near99 (liquid or fluid))	US-PGPUB; USPAT	AND	ON	2006/10/02 04:36
L2	2	((chip or IC or (integrated adj circuit)) adj card).ab. (antenna near99 (conduct\$4 or connect\$4) near99 (liquid or fluid))	US-PGPUB; USPAT	AND	ON	2006/10/02 04:38
L3	1	2 @ad<"20020917"	US-PGPUB; USPAT	AND	ON	2006/10/02 04:39
L4	16	((chip or IC or (integrated adj circuit)) adj card) (antenna near99 (conduct\$4 or connect\$4) near99 (liquid or fluid))	US-PGPUB; USPAT	AND	ON	2006/10/02 04:38
L5	16	((chip or IC or (integrated adj circuit)) near card) (antenna near99 (conduct\$4 or connect\$4) near99 (liquid or fluid))	US-PGPUB; USPAT	AND	ON	2006/10/02 04:38
L6	16	((chip or IC or (integrated adj circuit)) near card) (antenna near999 (conduct\$4 or connect\$4) near999 (liquid or fluid))	US-PGPUB; USPAT	AND	ON	2006/10/02 04:45
L7	11	6 @ad<"20020917"	US-PGPUB; USPAT	AND	ON	2006/10/02 04:47
L8	3	7 not (liquid near crystal)	US-PGPUB; USPAT	AND	ON	2006/10/02 04:39
L9	491	(chip or IC or (integrated adj circuit) or smart or memory) near card) (stack\$3 near (chip or IC or (integrated adj circuit) or processor or CPU or micro\$1processor)	US-PGPUB; USPAT	AND	ON	2006/10/02 04:46
L10	82	(chip or IC or (integrated adj circuit) or smart or memory) near card).ab. (stack\$3 near (chip or IC or (integrated adj circuit) or processor or CPU or micro\$1processor)	US-PGPUB; USPAT	AND	ON	2006/10/02 04:47
L11	82	(chip or IC or (integrated adj circuit) or smart or memory) near card).ab. ((stack\$3 or (top adj of)) near (chip or IC or (integrated adj circuit) or processor or CPU or micro\$1processor)	US-PGPUB; USPAT	AND	ON	2006/10/02 04:47
L12	39	11 @ad<"20020917"	US-PGPUB; USPAT	AND	ON	2006/10/02 05:21
L13	4	"6440773"	US-PGPUB; USPAT	AND	ON	2006/10/02 05:22
L14	1	("6440773").PN.	US-PGPUB; USPAT	OR	OFF	2006/10/02 05:22

## EAST Search History

L15	1	("6566163").PN.	US-PGPUB; USPAT	OR	OFF	2006/10/02 05:25
L16	1	"20030183914".pn.	US-PGPUB; USPAT	AND	ON	2006/10/02 05:26
S1	605	(card or fob or tag) near999 (contact near10 (chip or IC or processor or micro\$1processor)) near999 ((contact\$1less or (contact adj less) or wire\$1less or RF or (radio adj frequency) or radio\$1frequency or (radio adj frequency)) near10 (chip or IC or processor or micro\$1processor))	US-PGPUB; USPAT	AND	ON	2006/10/01 21:04
S2	570	(card or fob or tag) near10 (contact near10 (chip or IC or processor or micro\$1processor)) near10 ((contact\$1less or (contact adj less) or wire\$1less or RF or (radio adj frequency) or radio\$1frequency or (radio adj frequency)) near10 (chip or IC or processor or micro\$1processor))	US-PGPUB; USPAT	AND	ON	2006/10/01 21:11
S3	410	(card or fob or tag) near1 (contact near10 (chip or IC or processor or micro\$1processor)) near1 ((contact\$1less or (contact adj less) or wire\$1less or RF or (radio adj frequency) or radio\$1frequency or (radio adj frequency)) near10 (chip or IC or processor or micro\$1processor))	US-PGPUB; USPAT	AND	ON	2006/10/01 21:04
S4	143	(card or fob or tag) near1 (contact near10 (chip or IC or processor or micro\$1processor)) near1 ((contact\$1less or (contact adj less) or wire\$1less or RF or (radio adj frequency) or radio\$1frequency or (radio adj frequency)) near1 (chip or IC or processor or micro\$1processor))	US-PGPUB; USPAT	AND	ON	2006/10/01 21:05
S5	115	(card or fob or tag) near1 (contact near10 (chip or IC or processor or micro\$1processor)) near1 ((contact\$1less or (contact adj less) or wire\$1less or RF or (radio adj frequency) or radio\$1frequency or (radio adj frequency)) near1 (chip or IC or processor or micro\$1processor)) antenna	US-PGPUB; USPAT	AND	ON	2006/10/01 21:05

## EAST Search History

S6	29	(card or fob or tag) near1 (contact near1 (chip or IC or processor or micro\$1processor)) near1 ((contact\$1less or (contact adj less) or wire\$1less or RF or (radio adj frequency) or radio\$1frequency or (radio adj frequency)) near1 (chip or IC or processor or micro\$1processor)) antenna	US-PGPUB; USPAT	AND	ON	2006/10/01 21:07
S7	18	S6 @ad<"20020917"	US-PGPUB; USPAT	AND	ON	2006/10/01 21:12
S8	144	(card or fob or tag) near10 (contact near10 (chip or IC or processor or micro\$1processor)) near10 ((contact\$1less or (contact adj less) or wire\$1less or RF or (radio adj frequency) or radio\$1frequency or (radio adj frequency)) near10 (chip or IC or processor or micro\$1processor)) ((combination or hybrid) near10 (card or fob or tag))	US-PGPUB; USPAT	AND	ON	2006/10/01 21:11
S9	103	(card or fob or tag) near5 (contact near5 (chip or IC or processor or micro\$1processor)) near5 ((contact\$1less or (contact adj less) or wire\$1less or RF or (radio adj frequency) or radio\$1frequency or (radio adj frequency)) near5 (chip or IC or processor or micro\$1processor)) ((combination or hybrid) near5 (card or fob or tag))	US-PGPUB; USPAT	AND	ON	2006/10/02 00:54
S10	21	(card or fob or tag) near3 (contact near (chip or IC or processor or micro\$1processor)) near3 ((contact\$1less or (contact adj less) or wire\$1less or RF or (radio adj frequency) or radio\$1frequency or (radio adj frequency)) near (chip or IC or processor or micro\$1processor)) ((combination or hybrid) near3 (card or fob or tag))	US-PGPUB; USPAT	AND	ON	2006/10/01 21:14
S11	12	S10 @ad<"20020917"	US-PGPUB; USPAT	AND	ON	2006/10/01 21:15

## EAST Search History

S12	21	(card or fob or tag) near3 (contact near (chip or IC or (integrated adj circuit) or processor or micro\$1processor)) near3 ((contact\$1less or (contact adj less) or wire\$1less or RF or (radio adj frequency) or radio\$1frequency or (radio adj frequency)) near (chip or IC or (integrated adj circuit) or processor or micro\$1processor)) ((combination or hybrid) near3 (card or fob or tag))	US-PGPUB; USPAT	AND	ON	2006/10/01 21:19
S13	12	S12 @ad<"20020917"	US-PGPUB; USPAT	AND	ON	2006/10/01 21:42
S14	21	(card or fob or tag) near3 ((contact or ((ISO\$1IEC or ISO or IEC) adj "7816")) near (chip or IC or (integrated adj circuit) or processor or micro\$1processor)) near3 ((contact\$1less or (contact adj less) or ((ISO\$1IEC or ISO or IEC) adj "14443") or wire\$1less or proximity or RF or (radio adj frequency) or radio\$1frequency or (radio adj frequency)) near (chip or IC or (integrated adj circuit) or processor or micro\$1processor)) ((combination or hybrid) near3 (card or fob or tag))	US-PGPUB; USPAT	AND	ON	2006/10/01 21:58
S15	0	S14 not S12	US-PGPUB; USPAT	AND	ON	2006/10/01 21:22
S16	30	(card or fob or tag) near20 ((contact or ((ISO\$1IEC or ISO or IEC) adj "7816")) near1 (chip or IC or (integrated adj circuit) or processor or micro\$1processor)) near20 ((contact\$1less or (contact adj less) or ((ISO\$1IEC or ISO or IEC) adj "14443") or wire\$1less or proximity or RF or (radio adj frequency) or radio\$1frequency or (radio adj frequency)) near1 (chip or IC or (integrated adj circuit) or processor or micro\$1processor)) ((combination or hybrid) near5 (card or fob or tag))	US-PGPUB; USPAT	AND	ON	2006/10/01 21:44
S17	30	S16 ((both or dual or multiple or plural\$4 or several or many or few or two or dual or (more than one) or second) near10 (chip or IC or (integrated adj circuit) or processor or micro\$1processor))	US-PGPUB; USPAT	AND	ON	2006/10/01 21:42

## EAST Search History

S18	13	S17 @ad<"20020917"	US-PGPUB; USPAT	AND	ON	2006/10/01 21:45
S19	1	S18 not S11	US-PGPUB; USPAT	AND	ON	2006/10/01 21:43
S20	87	(card or fob or tag) near20 ((contact or ((ISO\$1IEC or ISO or IEC) adj "7816"))) near1 (chip or IC or (integrated adj circuit) or processor or micro\$1processor)) near20 ((contact\$1less or (contact adj less) or ((ISO\$1IEC or ISO or IEC) adj "14443") or wire\$1less or proximity or RF or (radio adj frequency) or radio\$1frequency or (radio adj frequency)) near1 (chip or IC or (integrated adj circuit) or processor or micro\$1processor))	US-PGPUB; USPAT	AND	ON	2006/10/01 21:44
S21	74	S20 not (S11 or S18)	US-PGPUB; USPAT	AND	ON	2006/10/02 00:54
S22	22	S21 @ad<"20020917"	US-PGPUB; USPAT	AND	ON	2006/10/01 22:01
S23	0	((combination or hybrid) near3 card).ab. (card near3 ((contact or ((ISO\$1IEC or ISO or IEC) adj "7816"))) near (chip or IC or (integrated adj circuit) or processor or micro\$1processor))) (card near3 ((contact\$1less or (contact adj less) or ((ISO\$1IEC or ISO or IEC) adj "14443") or wire\$1less or proximity or RF or (radio adj frequency) or radio\$1frequency or (radio adj frequency)) near (chip or IC or (integrated adj circuit) or processor or micro\$1processor)))	US-PGPUB; USPAT	AND	ON	2006/10/01 22:00
S24	0	((combination or hybrid) near3 card).ab. ((contact or ((ISO\$1IEC or ISO or IEC) adj "7816"))) near (chip or IC or (integrated adj circuit) or processor or micro\$1processor)) ((contact\$1less or (contact adj less) or ((ISO\$1IEC or ISO or IEC) adj "14443") or wire\$1less or proximity or RF or (radio adj frequency) or radio\$1frequency or (radio adj frequency)) near (chip or IC or (integrated adj circuit) or processor or micro\$1processor))	US-PGPUB; USPAT	AND	ON	2006/10/01 22:01

## EAST Search History

S25	7	((combination or hybrid) near3 card).ab. ((contact or ((ISO\$1IEC or ISO or IEC) adj "7816")) near10 (chip or IC or (integrated adj circuit) or processor or micro\$1processor)) ((contact\$1less or (contact adj less) or ((ISO\$1IEC or ISO or IEC) adj "14443") or wire\$1less or proximity or RF or (radio adj frequency) or radio\$1frequency or (radio adj frequency)) near10 (chip or IC or (integrated adj circuit) or processor or micro\$1processor))	US-PGPUB; USPAT	AND	ON	2006/10/02 00:53
S26	4	S25 @ad<"20020917"	US-PGPUB; USPAT	AND	ON	2006/10/02 03:36
S51	3	("5965867" "6179210" "6421248").PN.	US-PGPUB; USPAT	AND	ON	2006/10/02 00:01
S52	1	S51 ((contact or ((ISO\$1IEC or ISO or IEC) adj "7816")) near10 (chip or IC or (integrated adj circuit) or processor or micro\$1processor)) ((contact\$1less or (contact adj less) or ((ISO\$1IEC or ISO or IEC) adj "14443") or wire\$1less or proximity or RF or (radio adj frequency) or radio\$1frequency or (radio adj frequency)) near10 (chip or IC or (integrated adj circuit) or processor or micro\$1processor))	US-PGPUB; USPAT	AND	ON	2006/10/02 00:04
S53	2	("6431456" "6440773").PN.	US-PGPUB; USPAT	AND	ON	2006/10/02 01:31
S54	1	S53 ((contact or ((ISO\$1IEC or ISO or IEC) adj "7816")) near10 (chip or IC or (integrated adj circuit) or processor or micro\$1processor)) ((contact\$1less or (contact adj less) or ((ISO\$1IEC or ISO or IEC) adj "14443") or wire\$1less or proximity or RF or (radio adj frequency) or radio\$1frequency or (radio adj frequency)) near10 (chip or IC or (integrated adj circuit) or processor or micro\$1processor))	US-PGPUB; USPAT	AND	ON	2006/10/02 02:33
S55	1	S53 ((contact near99 non\$1contact) (multi\$1purpose or (multi adj purpose)))	US-PGPUB; USPAT	AND	ON	2006/10/02 00:27
S56	74	S9 not (S11 or S18 or S20 or S25 or S51 or S53)	US-PGPUB; USPAT	AND	ON	2006/10/02 03:35
S57	40	S56 @ad<"20020917"	US-PGPUB; USPAT	AND	ON	2006/10/02 00:55

## EAST Search History

S58	3	(US-20020053598-\$).did. or (US-6931234-\$ or US-6944246-\$). did.	US-PGPUB; USPAT	AND	ON	2006/10/02 01:31
S59	8	S51 or S53 or S58	US-PGPUB; USPAT	AND	ON	2006/10/02 01:31
S60	5	S59 antenna	US-PGPUB; USPAT	AND	ON	2006/10/02 01:34
S61	3	S60 (name or graphic or indicia or symbol or number or halogram)	US-PGPUB; USPAT	AND	ON	2006/10/02 01:35
S62	2	S60 (name or graphic or indicia or symbol or id or identifier or identification or halogram)	US-PGPUB; USPAT	AND	ON	2006/10/02 01:37
S63	2	S60 (name or graphic or indicia or symbol or id or identifier or emboss\$4 or identification or halogram)	US-PGPUB; USPAT	AND	ON	2006/10/02 01:39
S64	1	(US-6440773-\$).did.	USPAT	AND	ON	2006/10/02 01:38
S65	1	S64 ((id or identifier or emboss\$4 or identification) antenna (cavity or gap or hole or indentation or spac\$4))	US-PGPUB; USPAT	AND	ON	2006/10/02 02:19
S66	1	S64 ((cavity or gap or hole or indentation or spac\$4))	US-PGPUB; USPAT	AND	ON	2006/10/02 01:45
S67	1	S64 ((cavity or gap or hole or indentation or spac\$4) near999 (chip or IC or (integrated adj circuit) or processor or micro\$1processor))	US-PGPUB; USPAT	AND	ON	2006/10/02 01:45
S68	1	S64 ((cavity or gap or hole or indentation or spac\$4 or chamber or hollow or aperture or fissure or pit or pocket or recess) near999 (chip or IC or (integrated adj circuit) or processor or micro\$1processor))	US-PGPUB; USPAT	AND	ON	2006/10/02 01:48
S69	1	S64 ((cavity or gap or hole or indentation or spac\$4 or chamber or hollow or aperture or fissure or pit or pocket or recess) near9 (chip or IC or (integrated adj circuit) or processor or micro\$1processor))	US-PGPUB; USPAT	AND	ON	2006/10/02 01:49
S73	1	S64 ((id or identifier or emboss\$4 or identification))	US-PGPUB; USPAT	AND	ON	2006/10/02 02:15
S74	1	S64 antenna	US-PGPUB; USPAT	AND	ON	2006/10/02 02:57

## EAST Search History

S75	1	S64 ((contact or ((ISO\$1IEC or ISO or IEC) adj "7816"))) near10 (chip or IC or (integrated adj circuit) or processor or micro\$1processor)) ((contact\$1less or (contact adj less) or ((ISO\$1IEC or ISO or IEC) adj "14443") or wire\$1less or proximity or RF or (radio adj frequency) or radio\$1frequency or (radio adj frequency)) near10 (chip or IC or (integrated adj circuit) or processor or micro\$1processor))	US-PGPUB; USPAT	AND	ON	2006/10/02 02:33
S76	0	S64 (conductive adj track)	US-PGPUB; USPAT	AND	ON	2006/10/02 03:30
S77	0	S64 (conductive near3 track)	US-PGPUB; USPAT	AND	ON	2006/10/02 03:35
S78	1	S64 (conductive near3 adhesive)	US-PGPUB; USPAT	AND	ON	2006/10/02 03:00
S79	0	S64 (antenna) near10 (conductive near3 adhesive)	US-PGPUB; USPAT	AND	ON	2006/10/02 03:00
S80	0	S64 (antenna near99 (conductive near3 adhesive))	US-PGPUB; USPAT	AND	ON	2006/10/02 03:00
S81	1	S64 ((antenna or chip) near99 (conductive near3 adhesive))	US-PGPUB; USPAT	AND	ON	2006/10/02 03:04
S82	0	S64 ((antenna ) near99 connect\$4 near99 (wire))	US-PGPUB; USPAT	AND	ON	2006/10/02 03:04
S83	0	S64 ((antenna ) near99 connect\$4 near99 (wire or metal\$3))	US-PGPUB; USPAT	AND	ON	2006/10/02 03:04
S84	0	S64 ((antenna ) near99 connect\$4 near99 (wire or metal\$3 or line))	US-PGPUB; USPAT	AND	ON	2006/10/02 03:32
S85	0	S64 (liquid)	US-PGPUB; USPAT	AND	ON	2006/10/02 03:08
S86	1	S64 (multiple or two or dual several or plural\$5 or second or many) near99 (chip or IC or (integrated adj circuit) or processor or micro\$1processor)	US-PGPUB; USPAT	AND	ON	2006/10/02 03:12
S87	0	S64 (stack\$4 or adjacent) near99 (chip or IC or (integrated adj circuit) or processor or micro\$1processor)	US-PGPUB; USPAT	AND	ON	2006/10/02 03:20
S88	1	S64 (stack\$4 or adjacent or (top adj of )) near99 (chip or IC or (integrated adj circuit) or processor or micro\$1processor)	US-PGPUB; USPAT	AND	ON	2006/10/02 03:20
S89	1	S64 (stack\$4 or adjacent or (top adj of )) near9 (chip or IC or (integrated adj circuit) or processor or micro\$1processor)	US-PGPUB; USPAT	AND	ON	2006/10/02 03:21



## EAST Search History

S90	1	S64 (stack\$4 or adjacent or top ) near9 (chip or IC or (integrated adj circuit) or processor or micro\$1processor)	US-PGPUB; USPAT	AND	ON	2006/10/02 03:21
S91	1	S64 (stack\$4 or adjacent or top ) near19 (chip or IC or (integrated adj circuit) or processor or micro\$1processor)	US-PGPUB; USPAT	AND	ON	2006/10/02 03:22
S92	1	S64 (stack\$4 or adjacent or top or side ) near19 (chip or IC or (integrated adj circuit) or processor or micro\$1processor)	US-PGPUB; USPAT	AND	ON	2006/10/02 03:22
S93	0	S60 (conductive adj track)	US-PGPUB; USPAT	AND	ON	2006/10/02 03:30
S94	0	S60 (conductive near track)	US-PGPUB; USPAT	AND	ON	2006/10/02 03:30
S95	0	S59 (conductive near track)	US-PGPUB; USPAT	AND	ON	2006/10/02 03:30
S96	0	S59 ((antenna ) near99 connect\$4 near99 (wire or metal\$3 or line))	US-PGPUB; USPAT	AND	ON	2006/10/02 03:32
S97	1	S59 ((antenna ) near99 (wire or metal\$3 or line))	US-PGPUB; USPAT	AND	ON	2006/10/02 03:53
S98	99	(S11 or S18 or S20 or S25 or S51 or S53)	US-PGPUB; USPAT	AND	ON	2006/10/02 03:35
S99	3	S98 (conductive near3 track)	US-PGPUB; USPAT	AND	ON	2006/10/02 03:35
S100	2	S99 @ad<"20020917"	US-PGPUB; USPAT	AND	ON	2006/10/02 03:56
S101	0	S100 (advantage OR benefit or pro) near10 "conductive track"	US-PGPUB; USPAT	AND	ON	2006/10/02 03:39
S102	0	S100 (advantage OR benefit or pro) near9999 "conductive track"	US-PGPUB; USPAT	AND	ON	2006/10/02 03:39
S103	5	(US-20020053598-\$ or US-20030112354-\$).did. or (US-6931234-\$ or US-6944246-\$ or US-6568600-\$).did.	US-PGPUB; USPAT	AND	ON	2006/10/02 03:53
S104	10	S59 or S103	US-PGPUB; USPAT	AND	ON	2006/10/02 03:53
S105	2	S104 ((antenna ) near99 (wire or metal\$3 or line))	US-PGPUB; USPAT	AND	ON	2006/10/02 03:55
S106	0	S104 ((antenna ) near99 (wire or metal\$3) near connection)	US-PGPUB; USPAT	AND	ON	2006/10/02 03:57
S107	44	S98 @ad<"20020917"	US-PGPUB; USPAT	AND	ON	2006/10/02 04:02
S108	44	S107 @ad<"20020917"	US-PGPUB; USPAT	AND	ON	2006/10/02 04:09

## EAST Search History

S10 9	1	S107 ((antenna ) near99 (wire or metal\$3) near connection)	US-PGPUB; USPAT	AND	ON	2006/10/02 04:02
S11 0	0	S107 ((antenna ) near99 (liquid) near connection)	US-PGPUB; USPAT	AND	ON	2006/10/02 04:02
S11 1	45	S107 or S104	US-PGPUB; USPAT	AND	ON	2006/10/02 04:02
S11 2	0	S111 ((antenna ) near99 (liquid) near connection)	US-PGPUB; USPAT	AND	ON	2006/10/02 04:09
S11 3	0	S111 ((antenna ) near99 (liquid))	US-PGPUB; USPAT	AND	ON	2006/10/02 04:35
S11 4	144	(card or fob or tag) near10 (contact near10 (chip or IC or processor or micro\$1processor)) near10 ((contact\$1less or (contact adj less) or wire\$1less or RF or (radio adj frequency) or radio\$1frequency or (radio adj frequency)) near10 (chip or IC or processor or micro\$1processor)) ((combination or hybrid) near10 (card or fob or tag))	US-PGPUB; USPAT	AND	ON	2006/10/02 04:04
S11 5	3	S114 ((antenna ) near99 (liquid))	US-PGPUB; USPAT	AND	ON	2006/10/02 04:07
S11 6	1	"20060104041".pn.	US-PGPUB; USPAT	AND	ON	2006/10/02 04:08
S11 7	1	S116 liquid	US-PGPUB; USPAT	AND	ON	2006/10/02 04:08
S11 8	16	card ((antenna ) near99 (liquid) near99 connection)	US-PGPUB; USPAT	AND	ON	2006/10/02 04:10
S11 9	7	S118 @ad<"20020917"	US-PGPUB; USPAT	AND	ON	2006/10/02 04:11
S12 0	19	card ((antenna ) near99 (liquid) near99 connect\$4) not (liquid adj crystal adj display)	US-PGPUB; USPAT	AND	ON	2006/10/02 04:12
S12 1	9	S120 @ad<"20020917"	US-PGPUB; USPAT	AND	ON	2006/10/02 04:38
S12 2	13	card ((antenna ) near99 (liquid) near99 connect\$4) not (liquid adj crystal)	US-PGPUB; USPAT	AND	ON	2006/10/02 04:12
S12 3	6	S122 @ad<"20020917"	US-PGPUB; USPAT	AND	ON	2006/10/02 04:12